

### Claims

1. Packaging system made of composite packaging material for the sealed enclosure of products such as transdermal therapeutic systems being subject to changes due to exchange with their environment or to partial volatilization of active ingredient, with a barrier layer on the product side to which barrier layer there is applied a heat sealing layer, characterized in that the heat sealing layer is formed by an active ingredient-resistant layer having a layer thickness of maximally 15 g/m<sup>2</sup> weight per unit area, said active ingredient-resistant layer being applied from the liquid phase in a printing method and, after heat-activated sealing, displaying adhesion forces which are in the region of strength of the packaging materials.
2. Packaging system according to claim 1, characterized by a heat sealing layer that covers only the sealing area.
3. Packaging system according to claim 1 or 2, characterized by a layer thickness of the heat sealing layer which is between 2.5 and 3.5 g/m<sup>2</sup> weight per unit area.
4. Packaging system according to any one of the preceding claims, characterized by a heat sealing layer containing ethylene/methacrylic acid copolymer dispersion, which heat sealing layer displays no measurable active ingredient uptake.
5. Packaging system according to any one of the preceding claims, characterized in that the barrier layer is formed by aluminium.

~~6. Packaging system according to any one of the preceding claims characterized by a chemical composition of the heat sealing layer that is sufficiently inert to nicotine.~~

~~7. Packaging system according to any one of claims 2 to 6, characterized by the presence of a layer within the area which is enclosed by the sealing area, said layer entering into interaction with the packaged product.~~

~~8. Packaging system according to claim 7, characterized in that the layer is formed by a moisture absorber layer.~~

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